Figure 1. Container Hierarchy

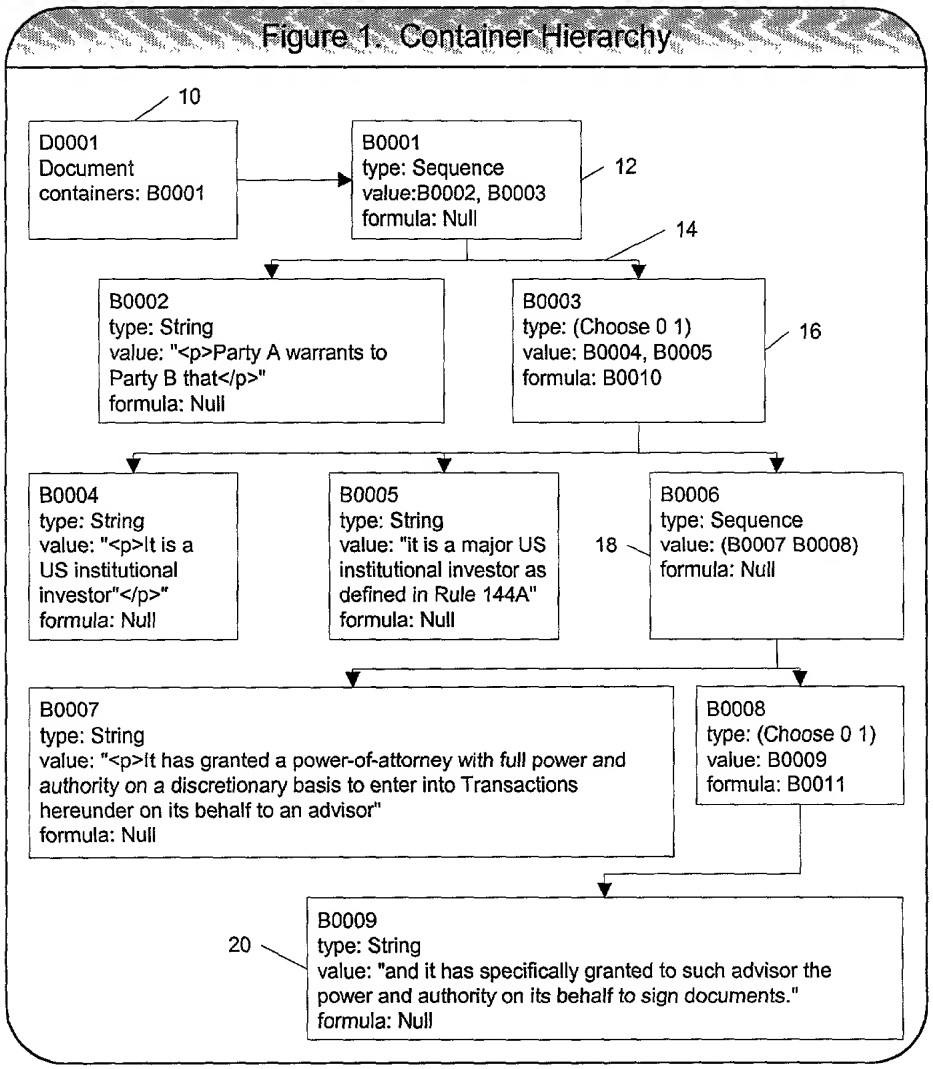

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Figure 2. Container Model

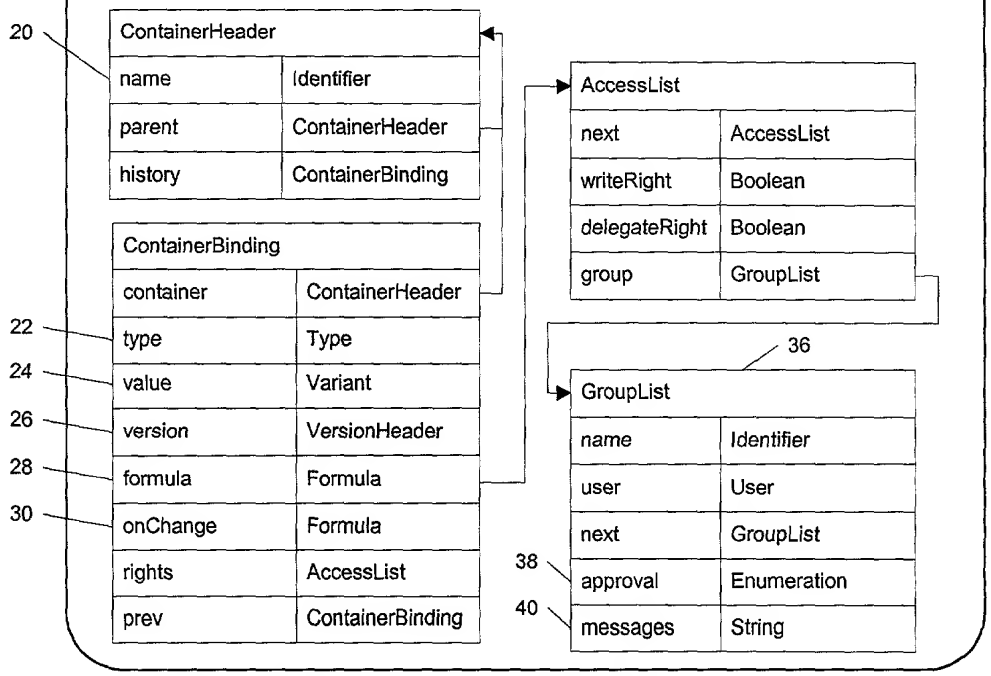
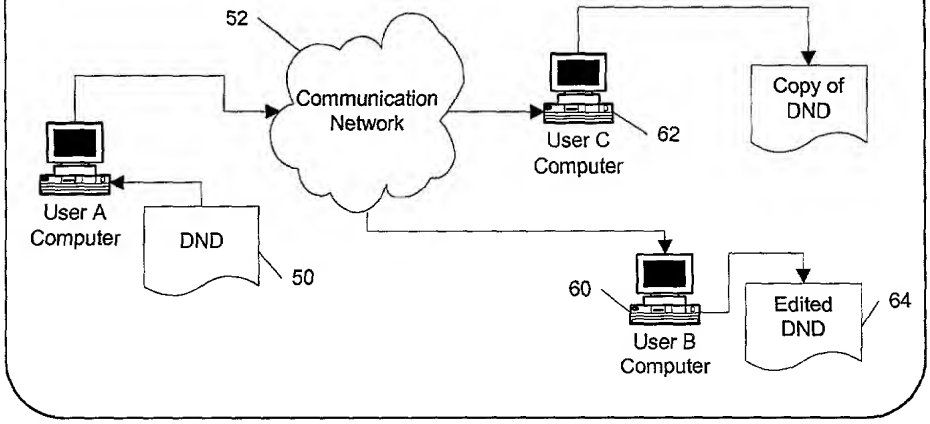


Figure 3. Sharing DNDs by Network.



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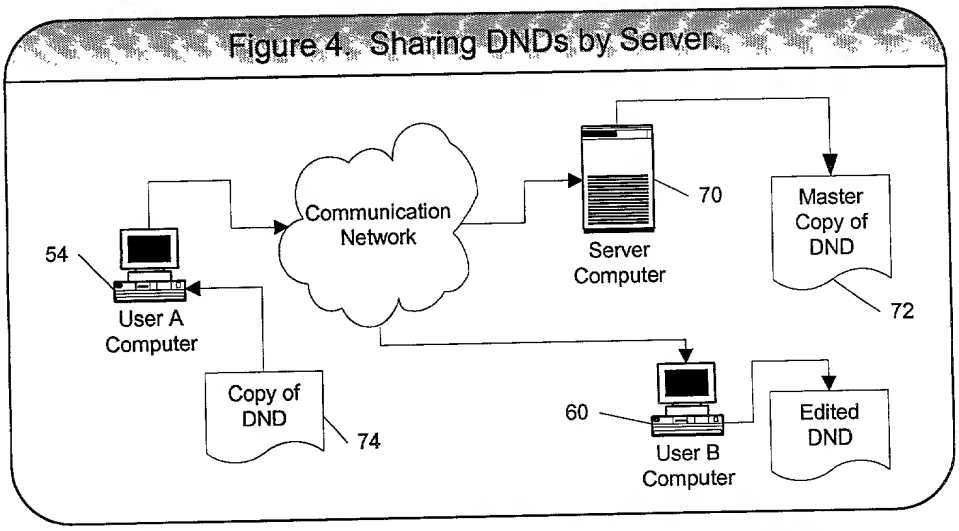


Figure 4. Sharing DNDs by Server.

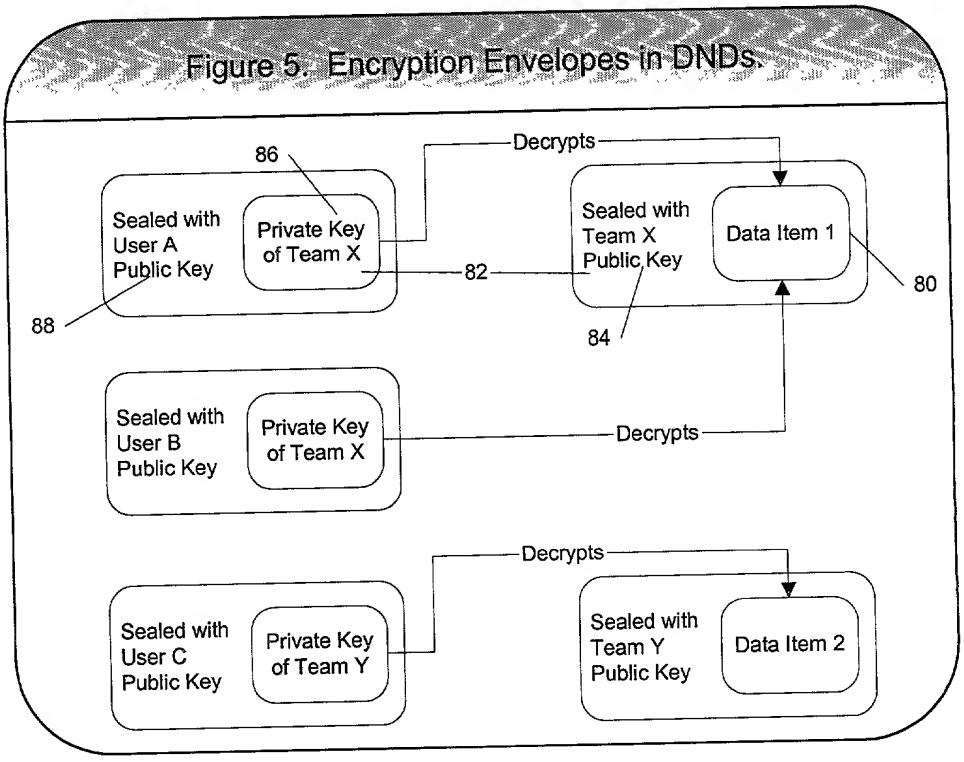
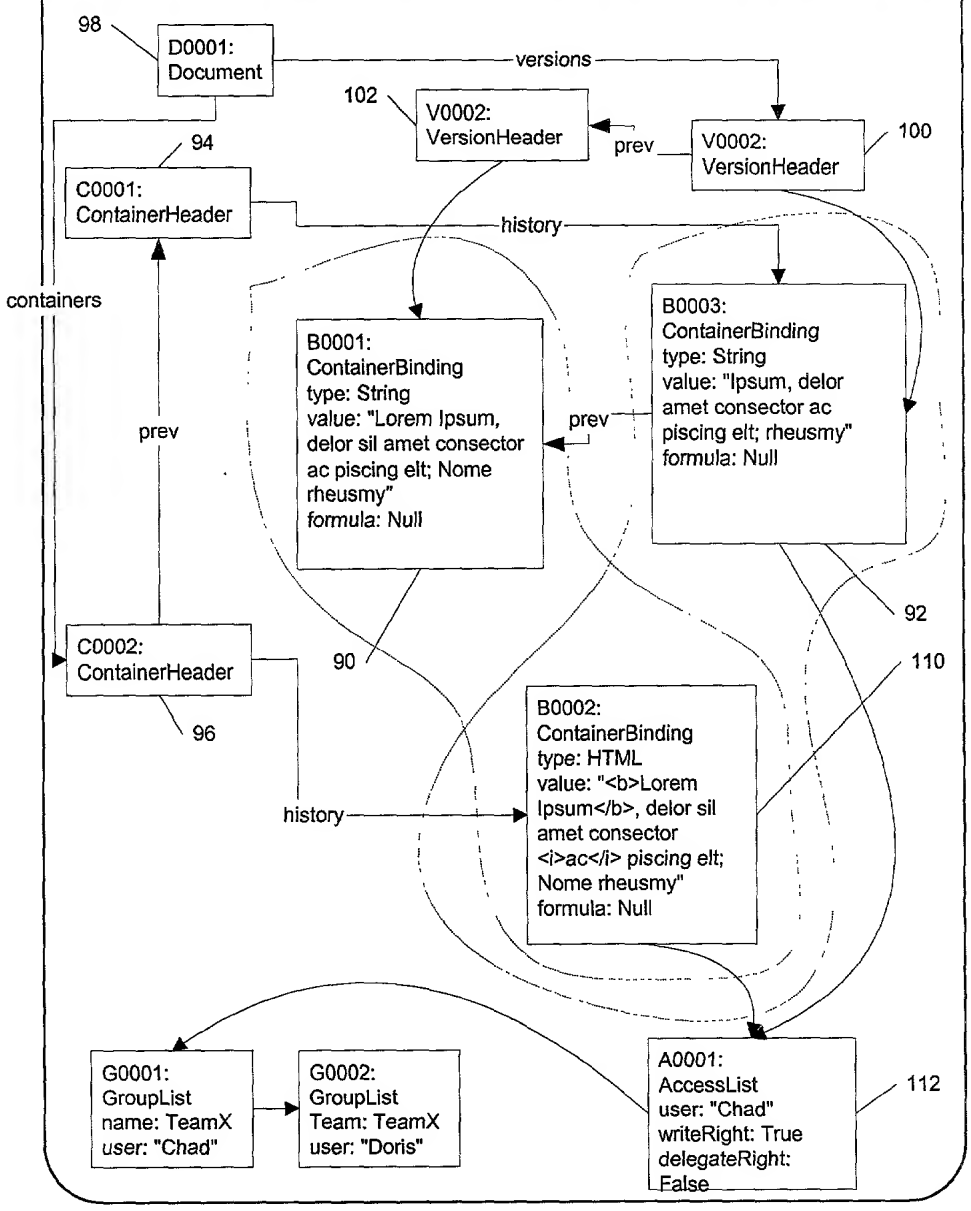


Figure 5. Encryption Envelopes in DNDs.

5

Figure 6. Example DND Objects.



Attorney Docket 11502-005001

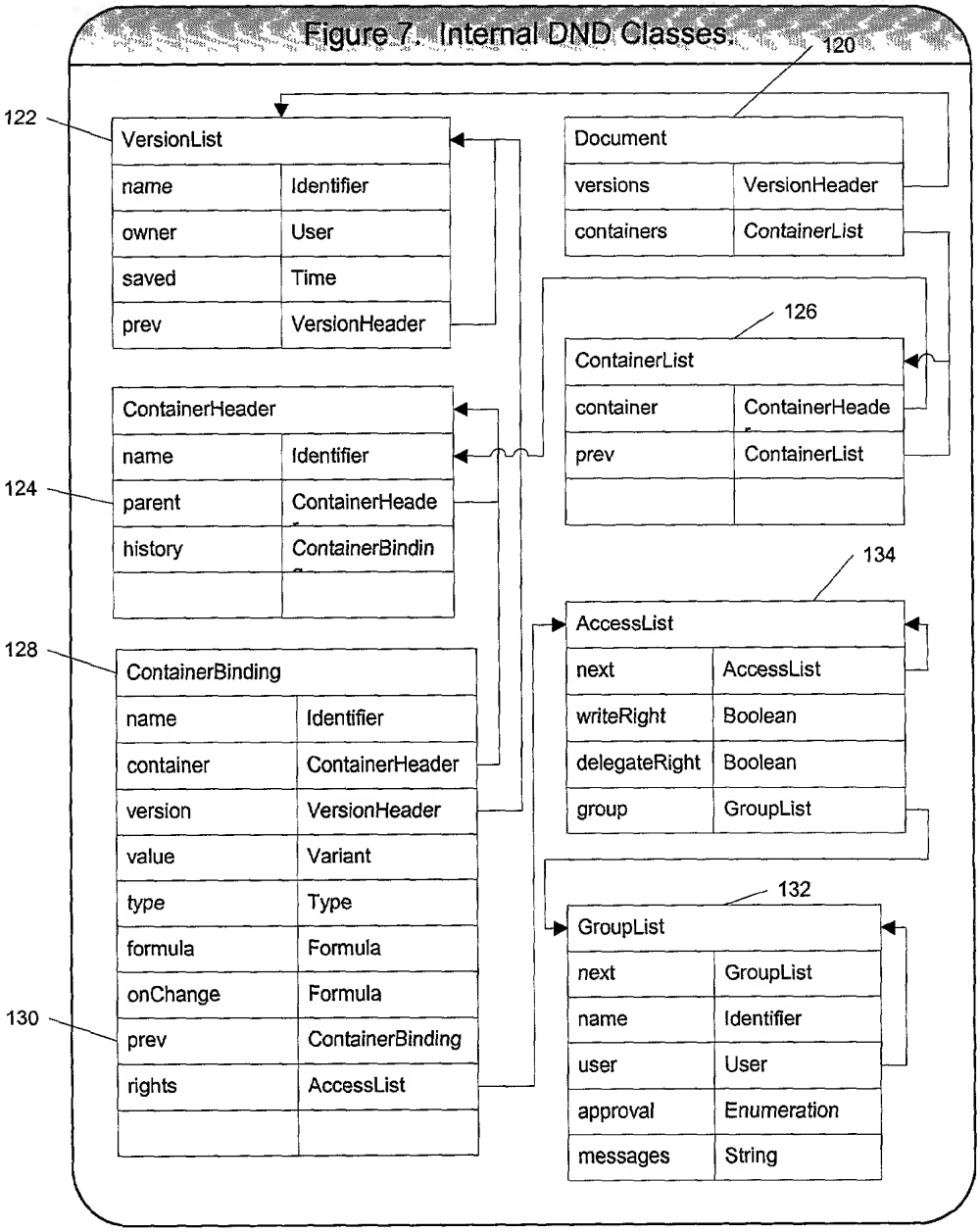


Figure 7. Internal DND Classes.
120
122
VersionList
name
Identifier
owner
User
saved
Time
prev
VersionHeader
Document
versions
VersionHeader
containers
ContainerList
126
ContainerList
container
ContainerHeade
prev
ContainerList
ContainerHeader
name
Identifier
124
parent
ContainerHeade
history
ContainerBindin
134
AccessList
next
AccessList
writeRight
Boolean
delegateRight
Boolean
group
GroupList
128
ContainerBinding
name
Identifier
container
ContainerHeader
version
VersionHeader
value
Variant
type
Type
formula
Formula
onChange
Formula
130
prev
ContainerBinding
rights
AccessList
132
GroupList
next
GroupList
name
Identifier
user
User
approval
Enumeration
messages
String

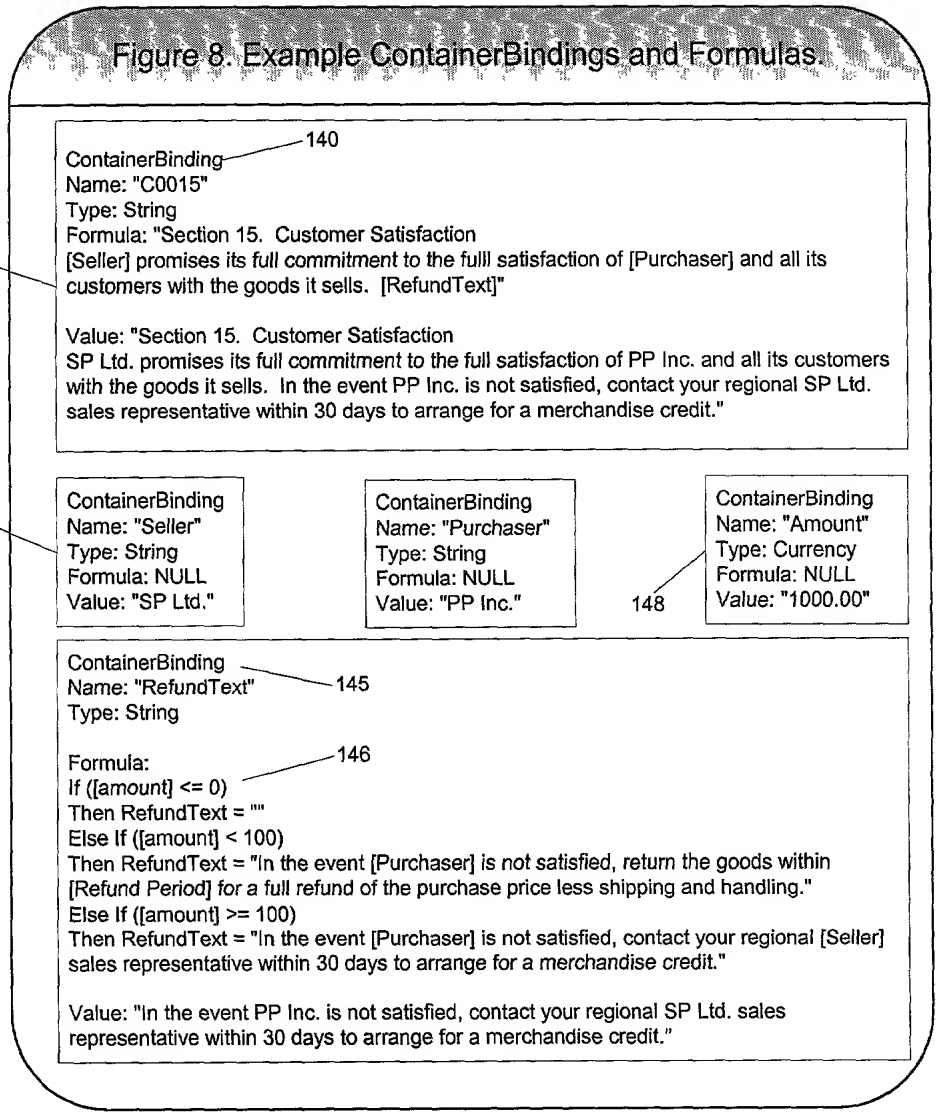


Figure 8. Example ContainerBindings and Formulas.
ContainerBinding
140
Name: "C0015"
Type: String
Formula: "Section 15. Customer Satisfaction
142
[Seller] promises its full commitment to the fulll satisfaction of [Purchaser] and all its customers with the goods it sells. [RefundText]"
Value: "Section 15. Customer Satisfaction
SP Ltd. promises its full commitment to the full satisfaction of PP Inc. and all its customers with the goods it sells. In the event PP Inc. is not satisfied, contact your regional SP Ltd. sales representative within 30 days to arrange for a merchandise credit."
144
ContainerBinding
Name: "Seller"
Type: String
Formula: NULL
Value: "SP Ltd."
ContainerBinding
Name: "Purchaser"
Type: String
Formula: NULL
Value: "PP Inc."
148
ContainerBinding
Name: "Amount"
Type: Currency
Formula: NULL
Value: "1000.00"
ContainerBinding
Name: "RefundText"
145
Type: String
Formula:
146
If ([amount] <= 0)
Then RefundText = ""
Else If ([amount] < 100)
Then RefundText = "In the event [Purchaser] is not satisfied, return the goods within [Refund Period] for a full refund of the purchase price less shipping and handling."
Else If ([amount] >= 100)
Then RefundText = "In the event [Purchaser] is not satisfied, contact your regional [Seller] sales representative within 30 days to arrange for a merchandise credit."
Value: "In the event PP Inc. is not satisfied, contact your regional SP Ltd. sales representative within 30 days to arrange for a merchandise credit."

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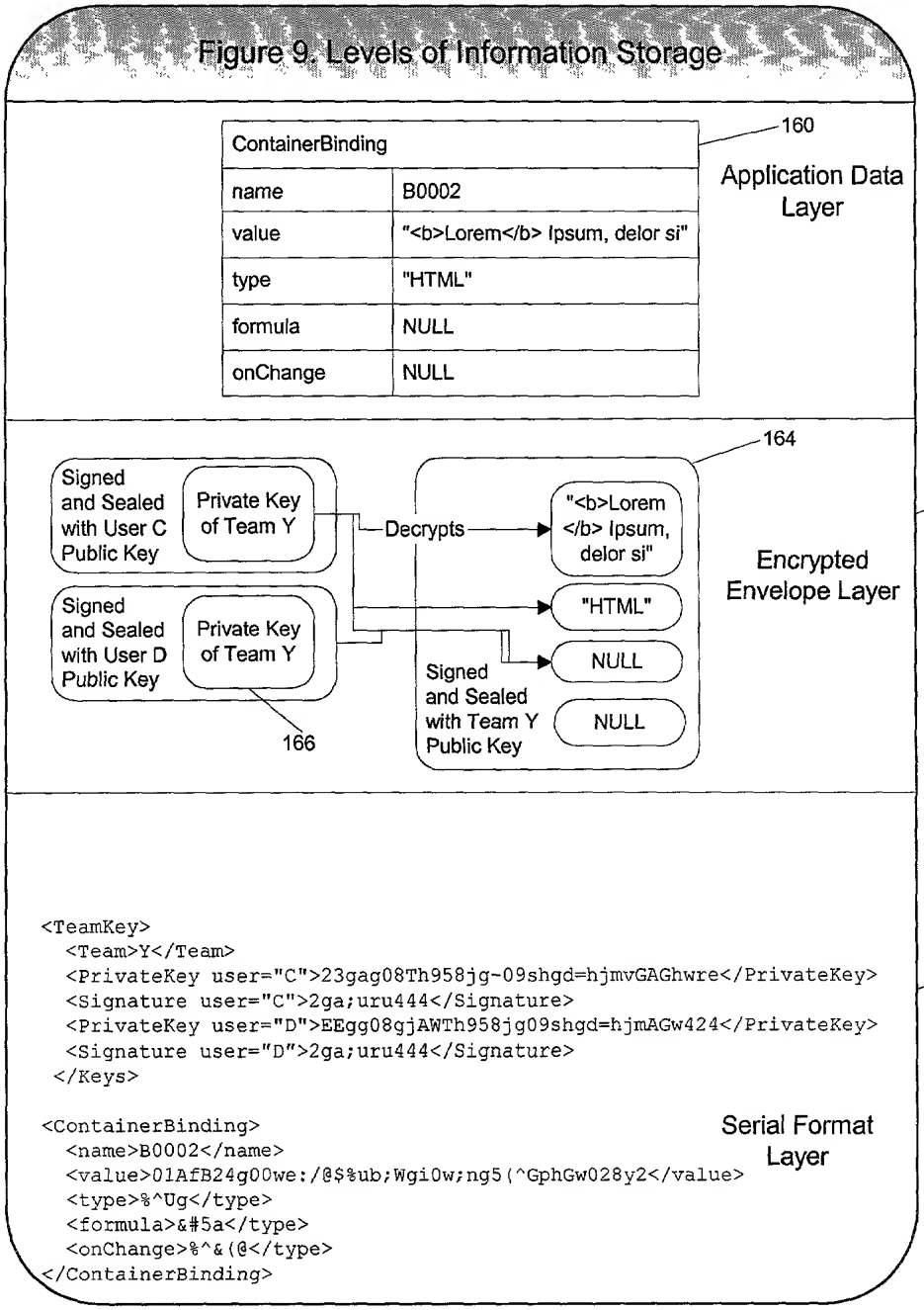
Figure 9. Levels of Information Storage